

## IN THE CLAIMS

1. (Previously Presented) An apparatus for authenticating a user's identity, comprising:
  - a. a data collector to receive and collect a stream of biometric data; and
  - b. a data matcher to process the biometric data from the data collector to authenticate the user's identity, wherein the data matcher includes:
    - a database to store a first identity reference for the user, and
    - a data compiler, coupled to the database, the data compiler to integrate samples of data collected by the data collector collected over time to create a second identity reference and replace the first identity reference with the second identity reference to establish an updated first identity reference.
2. (Original) The apparatus of claim 1, wherein the data collector further comprising:
  - a. a plurality of sensors to detect the stream of biometric data; and
  - b. a signal converter to convert the biometric data from the sensors into storable data and send the storable data to the data matcher.
3. (Previously Presented) The apparatus according to claim 1, wherein the data matcher further comprises:
  - a data analyzer, coupled to the database, to receive user information and to authenticate the user's identity by comparing the user information and the first identity reference and for presenting a comparison result.
4. (Cancelled)
5. (Previously Presented) The apparatus according to claim 3, wherein the data analyzer further receives input data from the user and embeds the first reference identity in the input data.
6. (Original) The apparatus according to claim 1 is coupled to a network.
7. (Cancelled)

8. (Previously Presented) The apparatus according to claim 3, wherein the user information can be downloadable from an external database through a network.

9. (Cancelled)

10. (Previously Presented) A method for authenticating a user's identity, comprising:

- a. receiving and collecting a stream of biometric data;
- b. processing the biometric data to authenticate the user's identity;
- c. storing a first identity reference and collected biometric data in a database;
- d. sampling the collected biometric data over time;
- e. integrating the samples of collected biometric data to create a second identity reference; and
- f. replacing the first identity reference with the second identity reference to establish an updated first identity reference.

11. (Original) The method according to claim 10, wherein 10(a) further comprises:

- a. detecting the stream of biometric data by a plurality of sensors;
- b. converting the biometric data from the sensors into storable data; and
- c. sending the storable data to a data matcher.

12. (Previously Presented) The method according to claim 10, wherein 10(b) further comprises:

- a. receiving user information;
- b. authenticating the user's identity by comparing the user information and the first identity reference; and
- c. presenting a comparison result.

13. (Cancelled)

14. (Previously Presented) The method according to claim 12, wherein 12(b) further comprises:

- a. receiving input data from the user; and
- b. embedding the first reference identity in the input data.

15. (Previously Presented) A machine readable medium having embodied thereon instructions, which when executed by an electronic system, causing the electronic system to:

- a. receive and collect a stream of biometric data;
- b. process the biometric data to authenticate the user's identity;
- c. store a first identity reference and collected biometric data to a database;
- d. sample the collected biometric data over time;
- e. integrate the samples of collected biometric data to create a second identity reference; and
- f. replace the first identity reference with the second identity reference to establish an updated first identity reference.

16. (Original) The machine readable medium according to claim 15, wherein said instructions for 15(a) further comprises:

- a. detecting the stream of biometric data by a plurality of sensors;
- b. converting the biometric data from the sensors into storable data; and
- c. sending the storable data to a data matcher.

17. (Previously Presented) The machine readable medium according to claim 15, wherein said instructions for 15(b) further comprises:

- a. receiving user information;
- b. authenticating the user's identity by comparing the user information and the identity reference; and
- c. presenting a comparison result.

18. (Cancelled)

19. (Previously Presented) The machine readable medium according to claim 17, wherein said instructions for 17(b) further comprises:

- a. receiving input data from the user; and
- b. embedding the reference identity in the input data.

20. (Original) The machine readable medium according to claim 15, wherein the electronic system is coupled to a network.